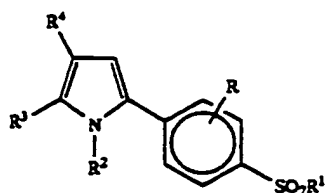
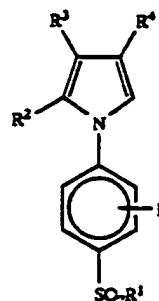


1. (Twice Amended) A compound of formula (I) or (II):



(I)



(II)

wherein:

- R represents a hydrogen atom[, a halogen atom or an alkyl group having from 1 to 6 carbon atoms];
- R<sup>1</sup> represents [an alkyl] a methyl group [having from 1 to 6 carbon atoms,] or an amino group [or a group of formula -NHR<sup>a</sup>, where R<sup>a</sup> represents an alkanoyl group having from 1 to 25 carbon atoms, an alkoxycarbonyl group having from 1 to 6 carbon atoms in the alkoxy part, an aralkyloxycarbonyl group in which the aralkyl part is as defined below, an alkanoyloxymethyl group having from 1 to 6 carbon atoms in the alkanoyl part, an alkoxycarbonyloxymethyl group having from 1 to 6 carbon atoms in the alkoxy part or a (2-oxo-1,3-dioxolen-4-yl)methyl group which is unsubstituted or substituted at the 5-dioxolen position by an alkyl group having

from 1 to 6 carbon atoms or by an aryl group as defined below];

*A' mteb*  
R<sup>2</sup> represents a phenyl group which is unsubstituted or is substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and substituents  $\beta$  defined below;

R<sup>3</sup> represents a hydrogen atom, a halogen atom or an alkyl group which has from 1 to [6] 4 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms.

R<sup>4</sup> represents a hydrogen atom; an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; a cycloalkyl group having from 3 to [8] 7 carbon atoms, an aryl group which is as defined below, or an

*Alkyl*  
aralkyl group which is as defined below;  
said aryl group having from 6 to [14] 10 ring  
carbon atoms in a carbocyclic ring and are  
unsubstituted or are substituted by at least  
one substituent selected from the group  
consisting of substituents  $\alpha$  and  
substituents  $\beta$ , defined below;  
said aralkyl group and the aralkyl part of said  
aralkyloxycarbonyl group are an alkyl group  
having from 1 to [6] 4 carbon atoms and which  
are substituted by at least one aryl group as  
defined above;  
said substituents  $\alpha$  are selected from the group  
consisting of a hydroxy group, a halogen  
atom, an alkoxy group having from 1 to [6] 4  
carbon atoms and an alkylthio group having  
from 1 to [6] 4 carbon atoms; said  
substituents  $\beta$  are selected from the group  
consisting of an alkyl group which has from 1  
to [6] 4 carbon atoms and which is  
unsubstituted or are substituted by at least  
one substituent selected from the group  
consisting of a hydroxy group, a halogen  
atom, an alkoxy group having from 1 to [6] 4  
carbon atoms and an alkylthio group having  
from 1 to [6] 4 carbon atoms; [an alkanoyloxy

*A<sup>1</sup> until*

group having from 1 to 6 carbon atoms; a mercapto group; an alkanoylthio group having from 1 to 6 carbon atoms; an alkylsulfinyl group having from 1 to 6 carbon atoms;] a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; a haloalkoxy group having from 1 to [6] 4 carbon atoms; and an alkylenedioxy group having from 1 to [6] 4 carbon atoms; or a pharmaceutically acceptable salt thereof.

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2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

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*A2*

6. (Amended) The compound of claim 1, wherein R<sup>1</sup> represents an amino group [or an acetylamino group].

7. (Amended) The compound of claim [1] 6, wherein R<sup>2</sup> represents a phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from

1 to 4 carbon atoms;

an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group which has from 1 to 4 carbon atoms and which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms.

8. (Amended) The compound of claim [1] 6, wherein R<sup>2</sup> represents a phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms.

9. (Amended) The compound of claim [1] 6, wherein R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms.

10. (Amended) The compound of claim [1] 6, wherein R<sup>3</sup> represents a hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms.

11. (Amended) The compound of claim [1] 6, wherein R<sup>4</sup> represents a hydrogen atom; an unsubstituted alkyl group having from 1 to 4 carbon atoms; a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; a cycloalkyl group having from 3 to 6 carbon atoms; an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an unsubstituted alkyl group having from 1 to [6] 4 carbon atoms,

an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy having from 1 to [6] 4 carbon atoms, and an alkylthio group having from 1 to [6] 4 carbon atoms; a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one aryl group as defined in claim 1.

A2  
Casted

12. (Amended) The compound of claim [1] 6, wherein R<sup>4</sup> represents a hydrogen atom; an unsubstituted alkyl group having from 1 to 4 carbon atoms; a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom and an alkoxy group having from 1 to 6 carbon atoms; a cycloalkyl group having from 3 to 6 carbon atoms; an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms, an alkyl group having from 1 to [6] 4 carbon atoms and which is unsubstituted or substituted by at least one halogen atom and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms, in the alkyl part and containing at least one said aryl group.

- Sub B-1
13. (Twice Amended) The compound of claim 1, wherein
- R represents a hydrogen atom[, a halogen atom or an alkyl group having from 1 to 4 carbon atoms];
- R<sup>1</sup> represents a methyl group[, ] or an amino group [or an acetylamino group];
- R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoyl group having from 1 to 4 carbon atoms;] a haloalkyl group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms;
- R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to
- Q2  
Curtis



4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

*AA  
contd*  
R<sup>4</sup> represents

a hydrogen atom;

an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;

an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to

a2  
contes

[6] 4 carbon atoms; an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having 1 to 4 carbon atoms and an alkylthio group having 1 to 4 carbon atoms; and a cycloalkoxy group having 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

14. (Twice Amended) The compound of claim [1] 6, wherein said compound is of the formula (II), and wherein:

- a3  
Sub  
B1
- R represents a hydrogen atom[, a fluorine atom, a chlorine atom or a methyl group];
- R<sup>1</sup> represents an amino group [or an acetylamino group];
- R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio

group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;

A3  
only  
R<sup>3</sup> represents [a hydrogen atom, a halogen atom,] an alkyl group having from 1 to 4 carbon atoms [or a haloalkyl group having from 1 to 4 carbon atoms];

R<sup>4</sup> represents a hydrogen atom[; an unsubstituted alkyl group having from 1 to 4 carbon atoms; a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom and alkoxy group having from 1 to 6 carbon atoms; a cycloalkyl group having from 3 to 6 carbon atoms, an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms, an alkyl group having from 1 to 6 carbon atoms and which is unsubstituted or substituted by at least one halogen atom, and a cycloalkyloxy group having from 3 to 8

carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group].

15. (Twice Amended) The compound of claim [1] 6, wherein said compound is of the formula (II), and wherein:

- A3  
Amended
- R represents a hydrogen atom;
- R<sup>1</sup> represents an amino group [or an acetylamino group];
- R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;
- R<sup>3</sup> represents a methyl group [hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms];

93  
ant

R<sup>4</sup> represents  
a hydrogen atom[;  
an unsubstituted alkyl group having from 1 to 4 carbon  
atoms;  
a substituted alkyl group having from 1 to 4 carbon atoms  
and substituted by at least one substituent  
selected from the group consisting of a  
hydroxy group, a halogen atom and an alkoxy  
group having from 1 to 6 carbon atoms;  
a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms  
and which is unsubstituted or is substituted  
by at least one substituent selected from the  
group consisting of a hydroxy group, a  
halogen atom, an alkoxy group having from 1  
to 6 carbon atoms, an alkyl group having from  
1 to 6 carbon atoms and which is  
unsubstituted or substituted by at least one  
halogen atom, and a cycloalkyloxy group  
having from 3 to 8 carbon atoms; and  
an aralkyl group having from 1 to 4 carbon atoms in the  
alkyl part and containing at least one said  
aryl group].

16. - 24. (Pending) These claims have not been amended.

25. (Cancelled)

26. (cancelled)

94

27. (Amended) A method of treating or relieving pain or inflammation in a mammal suffering therefrom comprising administering to a mammal in need thereof an effective anti-inflammatory amount or effective analgesic amount of a compound selected from the group consisting of the compound of formula (I), the compound of formula (II), and a pharmaceutically acceptable salt of said compounds as claimed in claim 1.

28. (Twice Amended) The method of claim 27, wherein said compound is of the formula (II), and wherein:

256  
232

R represents a hydrogen atom[, a halogen atom or an alkyl group having from 1 to 4 carbon atoms];

R<sup>1</sup> represents a methyl group[, ] or an amino group [or an acetylamino group];

R<sup>2</sup> represents  
an unsubstituted phenyl group or;  
a phenyl group which is substituted by at least one  
substituent selected from the group  
consisting of a halogen atom; an alkoxy group

99  
Carter

having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms and which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;

94  
Crist

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 3 carbon atoms; an alkyl group having from 1 to 3 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and  
an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said



aryl group.

29. (Twice Amended) The method of claim 27, wherein said compound is of the formula (II), and wherein:

R represents a hydrogen atom[, a fluorine atom, a chlorine atom or a methyl group];

R<sup>1</sup> represents an amino group [or an acetylamino group];

R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an unsubstituted alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an [alkenedioxy] alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a methyl group [hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms];

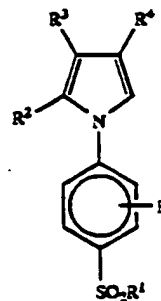
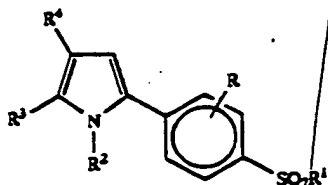
*Ad  
Antib*

$R^4$  represents  
a hydrogen atom[;  
an unsubstituted alkyl group having from 1 to 4 carbon  
atoms;  
a substituted alkyl group having from 1 to 4 carbon atoms  
and substituted by at least one substituent  
selected from the group consisting of a  
hydroxy group, a halogen atom and an alkoxy  
group having from 1 to 6 carbon atoms;  
a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms  
and which is unsubstituted or is substituted  
by at least one substituent selected from the  
group consisting of a hydroxy group; a  
halogen atom; an alkoxy group having from 1  
to 6 carbon atoms; an alkyl group having from  
1 to 6 carbon atoms and which is  
unsubstituted or substituted by at least one  
halogen atom; and a cycloalkyl group having  
from 3 to 8 carbon atoms; and  
an aralkyl group having from 1 to 4 carbon  
atoms in the alkyl part and containing at  
least one said aryl group].

30. (Cancelled)

Sub  
301  
95

31. (Amended) A method of inhibiting bone resorption in a mammal comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound selected from the group consisting of the compound of formula (I), the compound of formula (II), [and] or a pharmaceutically acceptable salt of said compounds [as claimed in claim 1] wherein:



wherein:

- R represents a hydrogen atom, a halogen atom or an alkyl group having from 1 to 6 carbon atoms;
- R<sup>1</sup> represents an alkyl group having from 1 to 6 carbon atoms or an amino group;
- R<sup>2</sup> represents a phenyl group which is unsubstituted or is substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and substituents  $\beta$  defined below;
- R<sup>3</sup> represents a hydrogen atom, a halogen atom or an alkyl group which has from 1 to 6 carbon

95  
Anteb

atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms;

R<sup>4</sup> represents a hydrogen atom; an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; a cycloalkyl group having from 3 to 8 carbon atoms, an aryl group which is as defined below, or an aralkyl group which is as defined below;

said aryl group having from 6 to 14 ring carbon atoms in a carbocyclic ring and are unsubstituted or are substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and substituents  $\beta$ , defined below;

said aralkyl group and the aralkyl part of said aralkyloxycarbonyl group are an alkyl group

95  
C. 12.1

having from 1 to 6 carbon atoms and which are  
substituted by at least one aryl group as  
defined above;

said substituents  $\alpha$  are selected from the group  
consisting of a hydroxy group, a halogen  
atom, an alkoxy group having from 1 to 6  
carbon atoms and an alkylthio group having  
from 1 to 6 carbon atoms; said  
substituents  $\beta$  are selected from the group  
consisting of an alkyl group which has from 1  
to 6 carbon atoms and which is unsubstituted  
or are substituted by at least one  
substituent selected from the group  
consisting of a hydroxy group, a halogen  
atom, an alkoxy group having from 1 to 6  
carbon atoms and an alkylthio group having  
from 1 to 6 carbon atoms; an alkanoyloxy  
group having from 1 to 6 carbon atoms; a  
mercapto group; an alkanoylthio group having  
from 1 to 6 carbon atoms; an alkylsulfinyl  
group having from 1 to 6 carbon atoms; a  
cycloalkyloxy group having from 3 to 8 carbon  
atoms; a haloalkoxy group having from 1 to 6  
carbon atoms; and an alkylenedioxy group  
having from 1 to 6 carbon atoms;  
or a pharmaceutically acceptable salt thereof.

32. (Twice Amended) The method of claim 31, wherein said compound is of the formula (II), and wherein:

R represents a hydrogen atom, a halogen atom or an alkyl group having from 1 to 4 carbon atoms;

R<sup>1</sup> represents a methyl group[,] or an amino group [or an acetylamino group];

R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms and which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;

AS  
Antes

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;  
a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms;  
a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an

alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to [6] 4 carbon atoms and an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; and

an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

33. (Twice Amended) The method of claim 31, wherein said compound is of the formula (II) and wherein:

R represents a hydrogen atom[, a fluorine atom, a chlorine atom or a methyl group];

R<sup>1</sup> represents an amino group [or an acetylamino group];

R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an



alkyl group having from 1 to 4 carbon atoms,  
a haloalkyl group having from 1 to 4 carbon  
atoms, [a mercapto group, an alkanoylthio  
group having from 1 to 4 carbon atoms,] a  
haloalkoxy group having from 1 to 4 carbon  
atoms and an [alkenedioxy] alkylenedioxy  
group having from 1 to 4 carbon atoms;

*AS*  
*anti*  
R<sup>3</sup> represents a methyl group [hydrogen atom, a  
halogen atom, an alkyl group having from 1 to  
4 carbon atoms or a haloalkyl group having  
from 1 to 4 carbon atoms];

R<sup>4</sup> represents a hydrogen atom[, an unsubstituted  
alkyl group having from 1 to 4 carbon atoms,  
a substituted alkyl group having from 1 to 4  
carbon atoms and substituted by at least one  
substituent selected from the group  
consisting of a hydroxy group, a halogen atom  
and an alkoxy group having from 1 to 6 carbon  
atoms, a cycloalkyl group having from 3 to 6  
carbon atoms, an aryl group which has from 6  
to 10 ring carbon atoms and which is  
unsubstituted or is substituted by at least  
one substituent selected from the group  
consisting of a hydroxy group, a halogen  
atom, an alkoxy group having from 1 to 4  
carbon atoms, an alkyl group having from 1 to

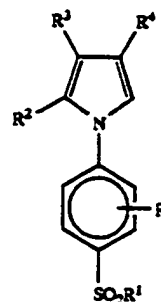
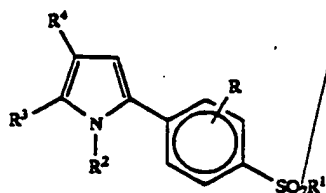
AS  
cancel

6 carbon atoms and which is unsubstituted or substituted by at least one halogen atom, and a cycloalkyloxy group having from 3 to 8 carbon atoms, an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group].

34. (Cancelled)

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Serb  
B3

35. (Amended) A method of inhibiting leukotriene production in a mammal comprising administering to a mammal in need thereof a compound selected from the group consisting of the compound of formula (I), the compound of formula (II) and a pharmaceutically acceptable salt of said compound [as claimed in claim 1] wherein:



wherein:

R represents a hydrogen atom, a halogen atom or an alkyl group having from 1 to 6 carbon atoms;

R<sup>1</sup> represents an alkyl group having from 1 to 6 carbon atoms or an amino group;

R<sup>2</sup> represents a phenyl group which is unsubstituted or is substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and substituents  $\beta$  defined below;

R<sup>3</sup> represents a hydrogen atom, a halogen atom or an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms;

R<sup>4</sup> represents a hydrogen atom; an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; a cycloalkyl group having from 3 to 8 carbon atoms, an aryl group which is as defined below, or an aralkyl group which is as defined below; said aryl group having from 6 to 14 ring carbon

atoms in a carbocyclic ring and are  
unsubstituted or are substituted by at least  
one substituent selected from the group  
consisting of substituents  $\alpha$  and  
substituents  $\beta$ , defined below;

AG  
Intel  
said aralkyl group and the aralkyl part of said  
aralkyloxycarbonyl group are an alkyl group  
having from 1 to 6 carbon atoms and which are  
substituted by at least one aryl group as  
defined above;

said substituents  $\alpha$  are selected from the group  
consisting of a hydroxy group, a halogen  
atom, an alkoxy group having from 1 to 6  
carbon atoms and an alkylthio group having  
from 1 to 6 carbon atoms; said  
substituents  $\beta$  are selected from the group  
consisting of an alkyl group which has from 1  
to 6 carbon atoms and which is unsubstituted  
or are substituted by at least one  
substituent selected from the group  
consisting of a hydroxy group, a halogen  
atom, an alkoxy group having from 1 to 6  
carbon atoms and an alkylthio group having  
from 1 to 6 carbon atoms; an alkanoyloxy  
group having from 1 to 6 carbon atoms; a  
mercapto group; an alkanoylthio group having

*AG*  
*CH*

from 1 to 6 carbon atoms; an alkylsulfinyl group having from 1 to 6 carbon atoms; a cycloalkyloxy group having from 3 to 8 carbon atoms; a haloalkoxy group having from 1 to 6 carbon atoms; and an alkylenedioxy group having from 1 to 6 carbon atoms;  
or a pharmaceutically acceptable salt thereof.

36. (Twice Amended) The method of claim 35, wherein said compound is of the formula (II), and wherein:

R represents a hydrogen atom, a halogen atom or an alkyl group having from 1 to 4 carbon atoms;

[R<sup>2</sup>]

R<sup>1</sup> represents a methyl group[, ] or an amino group [or an acetylamino group];

R<sup>2</sup> represents

an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms and which is substituted by at least

one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms;

*GP*  
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R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;  
a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen

atom, an alkoxy group having from 1 to [6] 4  
carbon atoms and an alkylthio group having  
from 1 to [6] 4 carbon atoms;  
a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms  
and which is unsubstituted or is substituted  
by at least one substituent selected from the  
group consisting of a halogen atom; an alkoxy  
group having from 1 to 4 carbon atoms; an  
alkylthio group having from 1 to 4 carbon  
atoms; an unsubstituted alkyl group having  
from 1 to [6] 4 carbon atoms; an alkyl group  
having from 1 to [6] 4 carbon atoms and  
substituted by at least one substituent  
selected from the group consisting of a  
hydroxy group, a halogen atom, an alkoxy  
group having from 1 to [6] 4 carbon atoms and  
an alkylthio group having from 1 to [6] 4  
carbon atoms; and a cycloalkyloxy group  
having from 3 to [8] 7 carbon atoms; an  
aralkyl group having from 1 to 4 carbon atoms  
in the alkyl part and containing at least one  
said aryl group.

37. (Twice Amended) The method of claim 35, wherein said compound is of the formula (II), and wherein:

R represents a hydrogen atom[, a fluorine atom, a chlorine atom or a methyl group];

R<sup>1</sup> represents an amino group [or an acetylamino group];

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Amended  
R<sup>2</sup> represents  
an unsubstituted phenyl group or  
a phenyl group which is substituted by at least one  
substituent selected from the group  
consisting of a halogen atom, an alkoxy group  
having from 1 to 4 carbon atoms, an alkylthio  
group having from 1 to 4 carbon atoms, an  
alkyl group having from 1 to 4 carbon atoms,  
a haloalkyl group having from 1 to 4 carbon  
atoms, [a mercapto group, an alkanoylthio  
group having from 1 to 4 carbon atoms,] a  
haloalkoxy group having from 1 to 4 carbon  
atoms and a alkylenedioxy group having from 1  
to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom,  
an alkyl group having from 1 to 4 carbon  
atoms or a haloalkyl group having from 1 to 4  
carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom[;



an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group and an alkoxy group having from 1 to 6 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;

an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group; a halogen atom; an alkoxy group having from 1 to 6 carbon atoms; an unsubstituted alkyl group having from 1 to 6 carbon atoms; an alkyl group having from 1 to 6 carbon atoms and which is unsubstituted or substituted by at least one halogen atom; and a cycloalkyloxy group having from 3 to 8 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group].

38. (Cancelled)

39. (Pending) This claim has not been amended.

40. (Twice Amended) The method of claim 39, wherein said compound is of the formula (II), and wherein:

R represents a hydrogen atom[, a halogen atom or an alkyl group having from 1 to 4 carbon atoms];

R<sup>1</sup> represents a methyl group[, ] or an amino group [or an acetylamino group];

R<sup>2</sup> represents  
an unsubstituted phenyl group or  
a phenyl group which is substituted by at least one  
substituent selected from the group  
consisting of a halogen atom; an alkoxy group  
having from 1 to 4 carbon atoms; an alkylthio  
group having from 1 to 4 carbon atoms; an  
unsubstituted alkyl group having from 1 to 4  
carbon atoms; an alkyl group having from 1 to  
4 carbon atoms and which is substituted by at  
least one substituent selected from the group  
consisting of a halogen atom, an alkoxy group  
having from 1 to 4 carbon atoms and an  
alkylthio group having from 1 to 4 carbon  
atoms; [a mercapto group; an alkanoylthio  
group having from 1 to 4 carbon atoms;] a  
haloalkoxy group having from 1 to 4 carbon  
atoms; and an alkylenedioxy group having from  
1 to 4 carbon atoms;

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R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;  
a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms;  
a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an

alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to [6] 4 carbon atoms; an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

41. (Twice Amended) The method of claim 39, wherein said compound is of the formula (II), and wherein:

R represents a hydrogen atom[, a fluorine atom, a chlorine atom or a methyl group];

R<sup>1</sup> represents an amino group [or an acetylamino group];

R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group

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having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a methyl group [hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms];

R<sup>4</sup> represents  
a hydrogen atom[;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, and an alkoxy group having from 1 to 6 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted

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by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom; an alkoxy group having from 1 to 6 carbon atoms; an alkyl group having from 1 to 6 carbon atoms and which is unsubstituted or substituted by at least one halogen atom; and a cycloalkyloxy group having from 3 to 8 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group].

42. (Cancelled)

43. (Amended) The compound of claim [8] 15, wherein [the] R<sup>2</sup> is a phenyl group which is substituted with 1 [to 3] or 2 of said substituents.

Please add the following claims 44-79.

44. (New) The method of claim 27 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.

45. (New) The method of claim 27 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

46. (New) The method of claim 27 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

47. (New) The method of claim 27 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole.

48. (New) The method of claim 27 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

49. (New) The method of claim 27 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

50. (New) The method of claim 27 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

51. (New) The method of claim 27 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

52. (New) The method of claim 27 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.

53. (New) The method of claim 31 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.

54. (New) The method of claim 31 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

55. (New) The method of claim 31 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

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Contd  
56. (New) The method of claim 31 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole.

57. (New) The method of claim 31 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

58. (New) The method of claim 31 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

59. (New) The method of claim 31 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

60. (New) The method of claim 31 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

61. (New) The method of claim 31 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.



62. (New) The method of claim 35 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.

63. (New) The method of claim 35 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

64. (New) The method of claim 35 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

65. (New) The method of claim 35 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole.

66. (New) The method of claim 35 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

67. (New) The method of claim 35 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

68. (New) The method of claim 35 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

69. (New) The method of claim 35 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

70. (New) The method of claim 35 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.

71. (New) The method of claim 39 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.

72. (New) The method of claim 39 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

73. (New) The method of claim 39 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

74. (New) The method of claim 39 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole.

75. (New) The method of claim 39 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

76. (New) The method of claim 39 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

77. (New) The method of claim 39 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

78. (New) The method of claim 39 wherein said compound is  
2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

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only  
79. (New) The method of claim 39 wherein said compound is  
4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.--.

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